

Amendments To The Abstract

Marked-up Version

The following marked-up version of the amended Abstract is attached hereto to aid the examiner in identifying the changes:

ABSTRACT

The ~~suction muffler of a~~ A reciprocating compressor muffler ~~according to the disclosed invention comprises~~ uses a flow spring-loaded refrigerant controller for controlling the flow of refrigerant so that a steady amount of refrigerant flows into the compressor's suction port. Compressor noise is reduced by controlling the flow of refrigerant or other gas into the compressor. ~~of the suction muffler. The flow controller comprises a fixing member having a main refrigerant path, a plurality of refrigerant sub-paths formed to vertically penetrate the fixing member along and adjacent to a circumference of the main refrigerant path at predetermined intervals, and a space with a diameter larger than an imaginary circle made by connecting the plurality of refrigerant sub-paths, formed under the main refrigerant path and the plurality of refrigerant sub-paths. A movable member has a first through hole formed to correspond to the main refrigerant path, and a plurality of second through holes formed at predetermined intervals on the imaginary circumference having a diameter larger than an imaginary circle made by connecting the plurality of refrigerant sub-paths. This movable member is disposed to move between a first location for closing the plurality of refrigerant sub-paths and a second location for opening the plurality of refrigerant sub-paths. A spring resilient member resiliently urges the movable member towards the second location. Accordingly, a steady amount of refrigerant flows in and out of the suction muffler and therefore noises can be reduced and unstable load in the valve system can be prevented.~~

Amendments To The Abstract

Clean Version

The following clean version of the amended Abstract hides the revisions marked above and replaces the original Abstract:

ABSTRACT

A reciprocating compressor muffler uses a spring-loaded refrigerant controller for controlling the flow of refrigerant so that a steady amount of refrigerant flows into the compressor's suction port. Compressor noise is reduced by controlling the flow of refrigerant or other gas into the compressor.